8/7/72

State University of New York
at Stony Brook
Stony Brook, New York 11790

College of Engineering
Department of Materials Science
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StonyBrook

August 4, 1972

Dr. Clarence Dennis, Chief
Medical Devices Applications Program
National Institute of Health
9000 Rockville Pike
Building 31 Room 5A03
Bethesda, Maryland 20014

Dear Dr. Dennis:

Several weeks ago we had the occasion to speak about the needs of the NIH Medical Devices Program for a facility with capabilities for conducting in vivo tests as well as basic studies on new non-thrombogenic materials developed under NIH programs.

I have subsequently had the occasion to mention this matter to Dr. E. Pelligrino, Vice President of Health Sciences at Stony Brook and Dr. E. Cronkite, Chairman of the Medical Department at Brookhaven National Laboratories. Both expressed considerable interest in bringing to your attention the outstanding combination of facilities and expertise available at this location for conducting both in vivo evaluation of materials as well as basic studies on the same.

In an informal way we have assembled and are enclosing detailed descriptions of facilities and expertise both in the medical and basic sciences areas.

I might add in passing that I have also had the occasion to mention the matter to Dr. Vincent Gott who expressed willingness to serve as a consultant, thereby providing us with the benfits of his extensive experience. Dr. Gott was also of the opinion that considerable basic materials sciences follow up was desirable. Fortunately, the Stony Brook-Brookhaven Center has very extensive capabilities in all of these areas.

We would of course be happy to have you and Dr. Bruck visit our site in order to directly acquaint you with our personnel and facilities.

For your convenience, I have attached a summary sheet identifying some of the more germane facilities and senior people in surgery, hematology and the basic sciences who expressed enthusiasm in partici-

pating in such studies.

I look forard to hearing from you concerning your interest in utilizing this site.

Sincerely yours,

Sumner N. Levine

Professor

SNL/cgl
enc.
c/Dr. Bruck

P.S. I plan to be at the Gordon Conference and hope that we will have the opportunity to meet and perhaps explore the matter at greater length.

SUMMARY

The following summarizes the very extensive facilitites as well as the senior personnel who have expressed interest in identifying with a program in nonthrombogenic materials evaluation. The available personnel provides a well balanced team covering all relevent areas of the field.

1. Personnel

1.1 Surgeons

Arjun D. Chanana, M.D. (CV enclosed)

Maximo Deysine, M.D.(Directory of Medical Specialists Listing enclosed)

1.2 Hematologists

Eugene Cronkite, M.D. (CV enclosed)

Stanley Zucker, M.D. (CV enclosed)

1.3 Veterinary Pathologists and Surgeons

Steven H. Weisbroth, DVM (CV enclosed)

Darrel D. Joel, Ph.D. (CV enclosed)

John Fudens, DVM (Veterinary Surgeon at the Oakdale Animal Clinic, CV not immediately available)

1.4 Materials Sciences

Sumner N. Levine, Ph.D. (CV enclosed)

Donald Metz, Ph.D. (CV enclosed)

George Adler (CV enclosed)

1.5 Surface Sciences

Franco Jona, Ph.D. (CV enclosed)

1.6 Electron and Optical Microscopy

John Kelsch (CV enclosed)

Robert F. Smith (CV enclosed)

1.7 Hemodynamics

H. Susskind (CV enclosed)

2. Facilities

2.1 Animal Enclosures

enclosures for 83 dogs at Brookhaven

enclosures for 20 dogs at Stony Brook

2.2. Surgical Suites

5 surgical suites available with necropsy room and diagnostic laboratories

2.3. Basic Materials Sciences Equipment

Complete facilities for optical microscopy, transmission and scanning electron microscopy

Auger and low energy electron scattering facilities for surface studies

Visible 1, Infrared and x-ray diffraction and other conventional equipment for polymer characterization

2.4 Polymer Fabrication

Injection molding and machine shops available